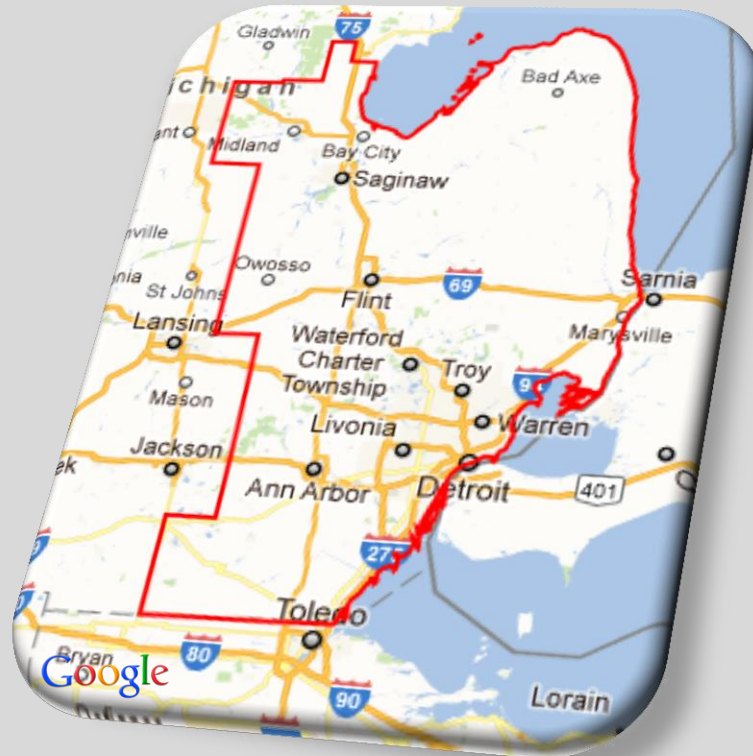




Weather Briefing

September 9, 2014



National Weather Service
Detroit/Pontiac, MI

<http://www.weather.gov/dtx>

Email: w-dtx.webmaster@noaa.gov



Find us on
Facebook



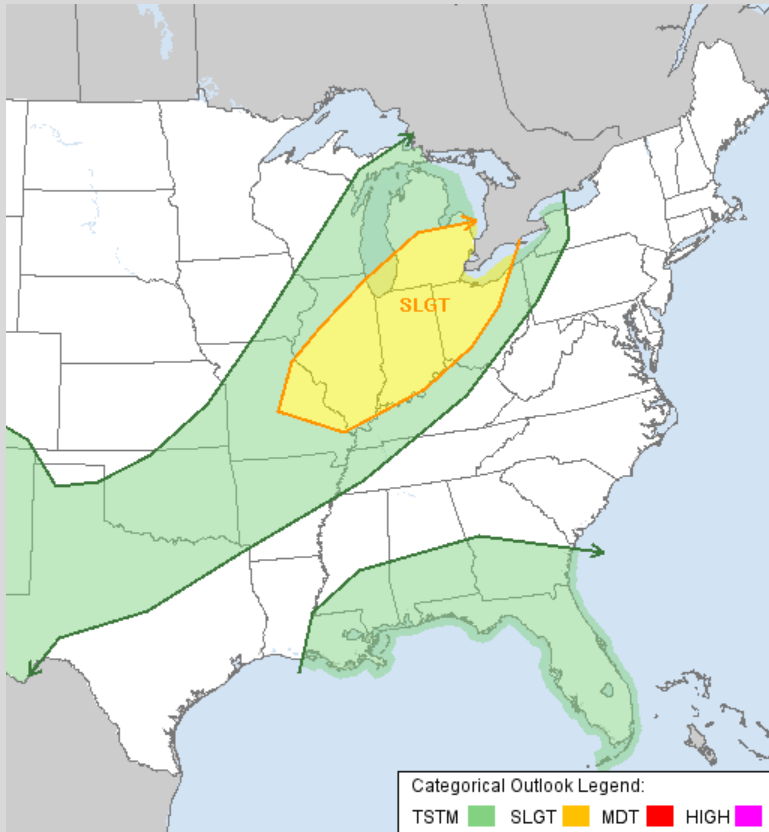


Severe Weather Outlook

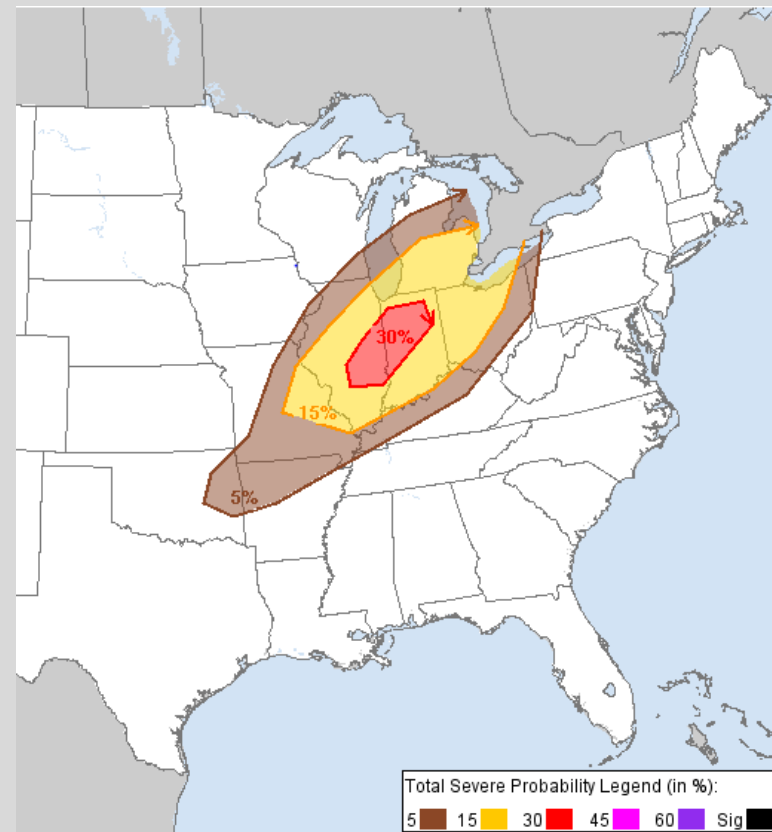
Slight Risk Wednesday



Wednesday, September 10



Categorical Severe Weather Outlook



Severe Weather Probabilities

weather.gov/detroit

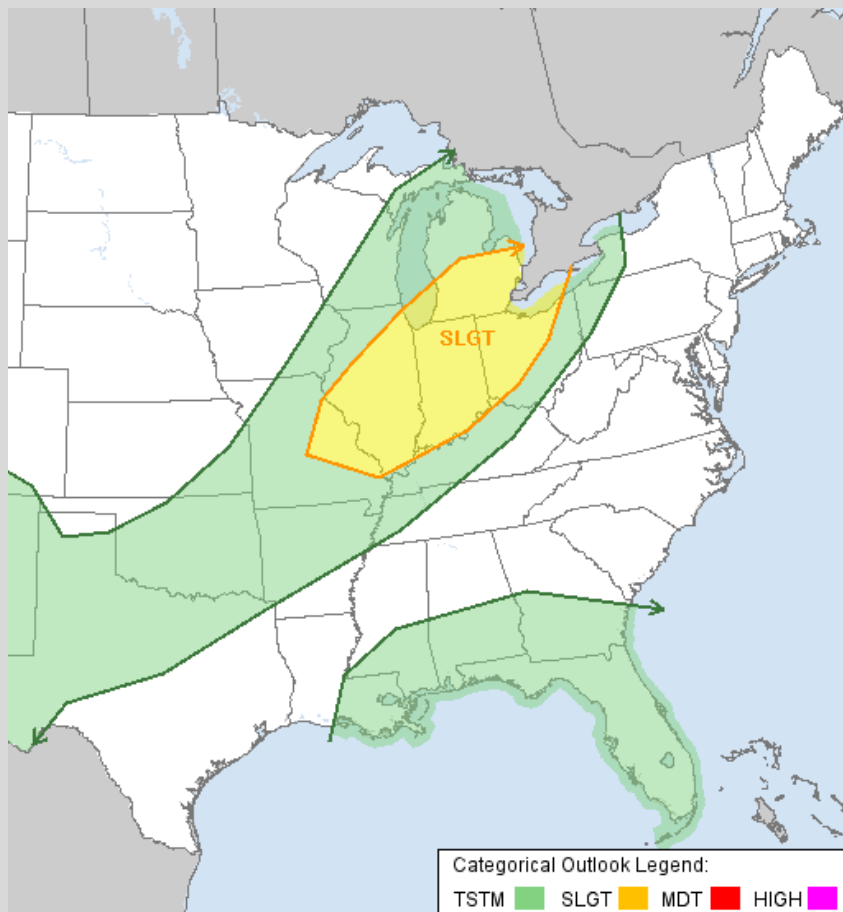


Hazard Summary



Slight Risk During Afternoon and Evening

Severe Weather Outlook for Wednesday

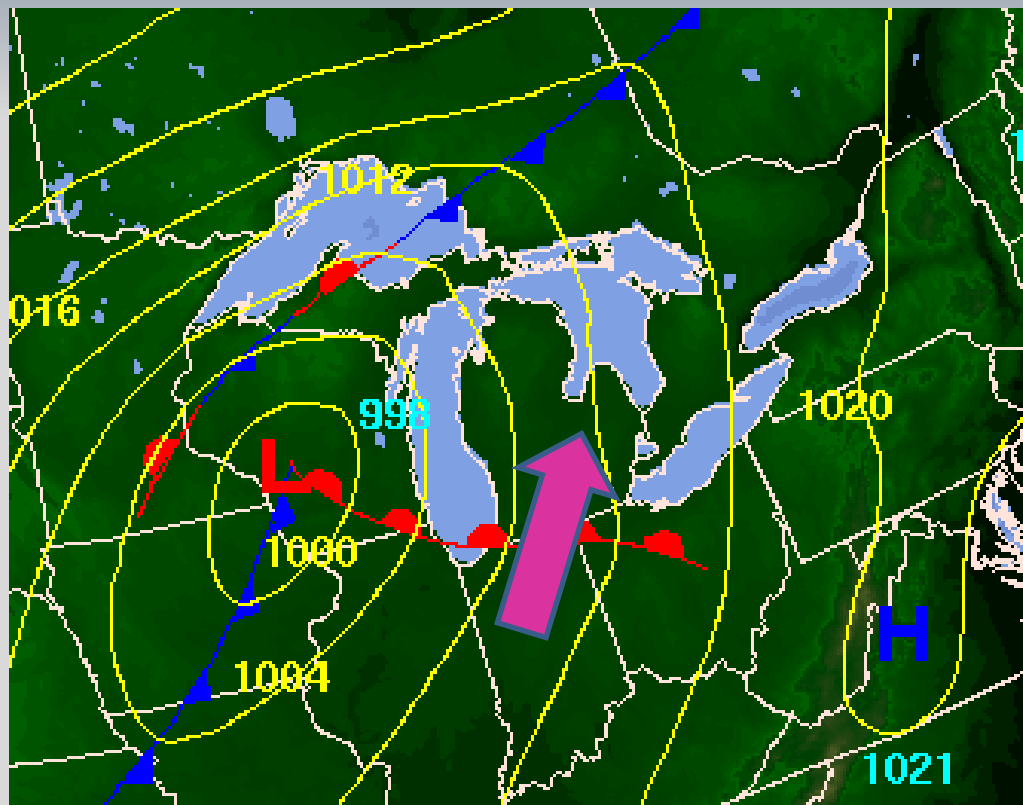


- ✓ Strongest storms between 3 PM and midnight
- ✓ Main threat will be damaging winds greater than 60 mph during evening
- ✓ torrential downpours and localized flooding during evening
- ✓ Low tornado potential during afternoon and possibly evening
- ✓ Hail of 1+ inch also possible

weather.gov/detroit



Decision Support Briefing Highlights



Forecast map for Wednesday 8 AM

Chance of thunderstorms 3 PM to 6 PM as warm front moves through lower Michigan

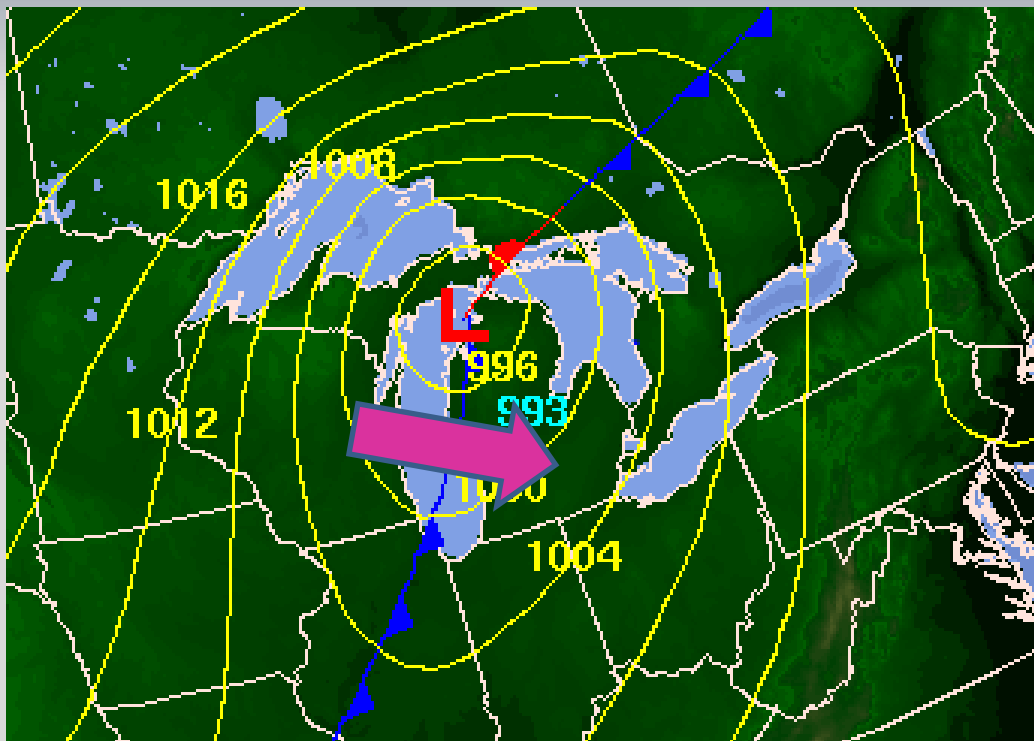
Lower severe weather probability

Storm development/intensity may be limited by low instability

Wind profile supports tornado potential along warm front or for individual storms ahead of cold front



Decision Support Briefing Highlights



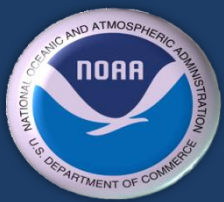
Forecast map for Wednesday evening/8 PM

Thunderstorms likely 6 PM to midnight as cold front moves through lower Michigan

Greater severe weather probability

Subject to instability increasing adequately ahead of cold front

Wind profile more supportive of damaging straight-line wind



Forecast Challenges



- ✓ Severe weather potential will be strongly dependent on how warm and unstable the atmosphere can become during the afternoon and evening.
- ✓ Instability may be limited by cloud and/or shower remnants of storms over the Midwest moving east tonight, clouds associated with the warm front, and warmer air aloft.
- ✓ Refinement is needed on effectiveness of limiting factors for instability through the day Wednesday to reassess severe threat.
- ✓ Refinement is needed on speed of the cold front which will influence potential for heavy rainfall and flooding.



Severe Weather Summary

Wednesday Afternoon and Evening



What

- Thunderstorms will develop over Southeast Michigan mainly after 3 pm... some may be severe
- **Greatest Threat:** -Damaging winds greater than 60 mph during evening
-Torrential rainfall and localized flooding during evening
- **Lesser Threat:** - Tornadoes during afternoon on warm front and evening ahead of cold front
- Hail 1 inch or greater

When

- Severe weather is most likely during evening

Where

- All of southeast Lower Michigan

Forecast Confidence

- High confidence that thunderstorms will develop
- Low to medium confidence that some storms will be severe
- Medium confidence in localized flooding potential

weather.gov/detroit



Additional Information



Local Hazards Page

<http://www.weather.gov/detroit/svr.php>

Storm Prediction Center

<http://www.spc.noaa.gov>

NWS Detroit/Pontiac, MI

<http://www.weather.gov/dtx>

Email: w-dtx.webmaster@noaa.gov



Find us on
Facebook

